

Amendments to the Claims:

1. (Currently Amended) A refrigerator Refrigerator [[(1)]] comprising:

a housing [[(2, 14, 19)]],  
a cylindrical working chamber [[(15, 21)]],  
5 a cylindrical displacing member [[(11, 17)]],  
a gap [[(36, 38)]] which is located defined between the housing and the displacing member,  
a first regenerator which is disposed inside the displacing member, and  
a device alternately supplying the working chamber with an effective  
10 high-pressure gas and an effective low-pressure gas, and  
wherein to the gap [[(36, 38)]] a further regenerator [[(43) ()]gap gas regenerator[()]] is assigned disposed in thermal communication with the gap.

2. (Currently Amended) The refrigerator Refrigerator in accordance with claim 1, wherein it is of a two stage design and where its further including:

5 a second stage is equipped with the a second gap gas regenerator [[(43)]].

3. (Currently Amended) The refrigerator Refrigerator in accordance with claim 1 [[or 2]], wherein the gap gas regenerator [[(43)]] is includes a single layer wire coil extending in the axial direction, said coil being arranged on the a side of the gap in the housing a wall [[(22, 23)]] of one of the displacing member 5 and[[/]]or on the gap side within the housing wall [[(14, 19)]] of the refrigerator housing.

4. (Currently Amended) The refrigerator Refrigerator in accordance with claim 1 [[or 2]], wherein the gap gas regenerator [[(43)]] is accommodated in a hollow chamber [[(44)]] which is located in the a housing [[(22, 23)]] of the displacing member [[(9, 17)]].

5. (Currently Amended) The refrigerator Refrigerator in accordance with claim 4, wherein the hollow chamber [[(44)]] is linked to the gap [[(36, 38)]] through axially spaced radial bores [[(45, 46)]] ~~were there is located between the openings of the radial bores [[(45, 46)]] in the gap [[(36, 38)]] and further~~ including:

a seal [[(47)]] and where the located between the radial bores such that pressure drop across the seal [[(47)]] is greater than [[the]] a pressure drop across the gap gas regenerator [[(43)]].

6. (Currently Amended) The refrigerator Refrigerator in accordance with claim 2 ~~and one of the claims 4 or 5~~, wherein the second gap gas regenerator is disposed in a hollow chamber [[(44)]] ~~for the gap gas regenerator~~ [[(43)]] is located in the an area of the a warm end of the a displacing member [[(17)<sup>5</sup>]] of the second stage.

7. (Currently Amended) The refrigerator Refrigerator in accordance with claim [[6]] 8, wherein further including:

a further seal [[(48)]] is provided which, with reference to the position of located relative to the first seal [[(47), is<sup>6</sup>]] located at the warm end of the second stage displacing member [[(18)]].

8. (New) The refrigerator in accordance with claim 6, further including:

space radial bores extending between the hollow chamber and the gap; and,

5 a first seal extending into the gap between the bores.